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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	NAMED INVENTOR ATTORNEY DOCKET NO.		
10/675,437	09/30/2003	Sivakumar Muthuswamy	CM05325LL	5626	
Barbara R. Do	7590 12/22/2006 utre	EXAMINER			
Motorola, Inc.		LE, HUYEN D			
Law Departme 8000 West Sur	ent nrise Boulevard	ART UNIT	PAPER NUMBER		
Fort Lauderdal	le, FL 33322	2615			
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE		
3 MC	ONTHS .	12/22/2006	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

			Application	No.	Applicant(s)				
Office Astion Commence		10/675,437		MUTHUSWAMY ET AL.					
Office Action Summary			Examiner		Art Unit				
			HUYEN D.	LE	2615				
Period fo	The MAILING DATE of this communi or Reply	cation appe	ears on the	cover sheet with the c	orrespondence ad	ldress			
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE MAN INSIGHT OF	AILING DA of 37 CFR 1.13 unication. tutory period wi will, by statute,	ATE OF THI 66(a). In no even will apply and will cause the applic	S COMMUNICATION t, however, may a reply be time expire SIX (6) MONTHS from ation to become ABANDONEI	I. ely filed the mailing date of this c (35 U.S.C. § 133).				
Status									
1)⊠	Responsive to communication(s) filed	d on <i>31 Oc</i>	ctober 2006			•			
	, , ,		action is no	n-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is								
. 5/	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims		•	•					
· <u> </u>	Claim(s) 1 and 4-15 is/are pending in	the annlic	ration						
· ·	· · · · · · · · · · · · · · · · · · ·			ideration					
	4a) Of the above claim(s) <u>11-15</u> is/are withdrawn from consideration.								
· <u>· · </u>	⊠ Claim(s) <u>1 and 4-9</u> is/are allowed. ⊠ Claim(s) <u>10</u> is/are rejected.								
7)	Claim(s) is/are objected to.					·			
	Claim(s) <u>11-15</u> are subject to restricti	ion and/or	election red	uirement					
·	•	on analor	CICCHOIT TCQ	un emem.					
	on Papers		,						
•	The specification is objected to by the			_					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.									
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11)	The oath or declaration is objected to	by the Exa	aminer. Not	the attached Office	Action or form P7	ГО-152.			
Priority ι	ınder 35 U.S.C. § 119								
	Acknowledgment is made of a claim for All b) Some * c) None of:		•		-(d) or (f).				
	1. Certified copies of the priority of				N.	•			
	<ul> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage</li> </ul>								
* 0	application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.								
	de the attached detailed Office action		or title certific	ed copies not receive	u.				
					•				
Attachmen	t(s)		•						
	e of References Cited (PTO-892)		4	) Interview Summary					
	e of Draftsperson's Patent Drawing Review (PT nation Disclosure Statement(s) (PTO/SB/08)		Paper No(s)/Mail Da  Notice of Informal Pa						
	r No(s)/Mail Date			Other:					

Application/Control Number: 10/675,437

Art Unit: 2615

#### DETAILED ACTION

# Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

2. Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ruegg (U.S. patent 3,875,349).

Ruegg teaches a microphone system that comprises a microphone (12) and a switch (22, 23) as claimed (col. 3, lines 14-32). As broadly claimed, Ruegg further teaches at least one audio port (32, 35) coupled to the microphone (12) providing directional functionality in response to the switch (col. 6, lines 29-35). As shown in figures 2 and 5, the microphone, the movable switch and the audio port are formed in one unit.

Ruegg does not specifically teach that the microphone (12) is a MEMS microphone. However, Ruegg does estimate a microphone being small in size (col. 3, lines 42-44 and col. 5, lines 1-3) and providing a MEMS microphone in a communications device is known in the art.

Therefore, it would have been obvious to one skilled in the art to provide any type of a microphone in the Ruegg microphone assembly such as a MEMS microphone with a MEMS switch for better applying and fitting a small transducer in a communications device.

Further, since Ruegg shows the microphone, the movable switch and the audio port that are formed in one unit; it therefore would have been obvious to one skilled in the art to provide the microphone (12), the switch (22, 23) and the audio port (32, 35) of Ruegg that are integrated within a single package for an easy assembly.

### Allowable Subject Matter

3. Claims 1 and 4-9 have been allowed.

### Response to Arguments

4. Applicant's arguments with respect to claim 10 have been considered but are moot in view of the new ground(s) of rejection.

# Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

Application/Control Number: 10/675,437 Page 4

Art Unit: 2615

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to HUYEN D. LE whose telephone number is (571) 272-7502. The examiner can normally be reached on 9:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, SINH TRAN can be reached on (571) 272-7564. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/675,437

Art Unit: 2615

Page 5

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HL

December 18, 2006

HUYEN LE PRIMARY EXAMINER